

3.600 St. Louis County
West Lake, St. Louis Landfill

JOHN ASHCROFT
Governor

FREDERICK A. BRUNNER
Director



STATE OF MISSOURI
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF ENVIRONMENTAL QUALITY

St. Louis Regional Office
8460 Watson Road, Suite 217
St. Louis, MO 63119
314-849-1313

Division of Energy
Division of Environmental Quality
Division of Geology and Land Survey
Division of Management Services
Division of Parks, Recreation,
and Historic Preservation

Site: West Lake LDF
ID# MB009900932
Break: 11.2
Other: ok 2
12-16-88

December 16, 1988

Michael J. Whitlock
Laidlaw Waste Systems, Inc.
13570 St. Charles Rock Rd.
Bridgeton, MO 63044

Dear Mr. Whitlock:

Enclosed is a report of an inspection conducted by Mr. Kevin Arnold of my staff. No violations were noted during the inspection.

Please review the enclosure, and if you have any questions, please contact the St. Louis Regional Office.

Sincerely,

ST. LOUIS REGIONAL OFFICE

Stuart Bean

Stuart Bean
Chief, Solid Waste Unit

SB/cj

cc: CO-WMP
City of Bridgeton
St. Louis County Health Dept.

RECEIVED
DEC 22 1988

WASTE MANAGEMENT
PROGRAM

40249215



SUPERFUND RECORDS

DNR 0046

3.600 St. Louis County
West Lake Demolition Landfill

Solid Waste Facility Inspection Report

Facility

West Lake Landfill
St. Louis County
Demolition Landfill
MoDNR Permit #218912

Introduction

An inspection of the West Lake Demolition Landfill was conducted on December 13, 1988 to assess compliance with applicable requirements pursuant to the Missouri Solid Waste Management Law. Mr. Michael J. Whitlock represented the facility, Mr. Ronald Darling represented the St. Louis County Department of Community Health and Medical Care and Mr. Kevin Arnold represented the Missouri Department of Natural Resources.

Findings

1. The operation of the facility appeared to be satisfactory.
2. The brush, tree trimmings and scrap lumber previously found at the open burning site had been cleaned up.
3. Open burning of the site has been discontinued.

Recommendations

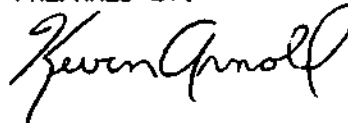
Continue operating the site in a satisfactory manner.

APPROVED:



F. Donald Maddox
Regional Administrator
St. Louis Regional Office

PREPARED BY:



Kevin Arnold
Environmental Specialist
St. Louis Regional Office

FDM/KA/cj

MISSOURI DEPARTMENT OF NATURAL RESOURCES
Division of Environmental Quality

DEMOLITION LANDFILL SURVEILLANCE RECORD

Date: DECEMBER 13, 1988 Days/Week Open: 6

Name of Demolition Landfill: WESTLAKE DEMOLITION LANDFILL

Permit No.: 218912 County: ST. LOUIS

Owner: LIDLAW WASTE SYSTEMS INC. Operator: SAME

Address: 13570 ST. CHARLES ROCK ROAD Address: _____

BRIDGETON, MO. 63044

I. Remaining Life of Landfill:

A. Estimated quantity of waste accepted,
1800 yds or tons/wk.

B. Estimated life of remaining landfill
approved by engineering plans,
2 to 3 yrs.

C. Fixed operating term date, _____.

Permittee: WESTLAKE LANDFILL INC.

Address: _____

Phone: _____

**II. Check all subsections: SAT-Satisfactory; UNS-Unsatisfactory; or NA-Not Applicable.
If necessary, describe "UNS" violations under "Remarks".**

		SAT	UNS	NA
10 CSR 30-2.220 Permit Issuance, Special Operating Permit, and Permit Extension				
(3)(B)	Authorization to operate obtained prior to acceptance of waste.			X
(3)(D)	Site constructed and operated per approved terms and conditions of permit.	X		
10 CSR 30-2.340 Certified Solid Waste Technicians				
(2)(A)	Site operated by a certified solid waste technician	X		
10 CSR 30-4.010 Demolition Landfill Design and Operation				
(2)(C)	List of solid wastes to be accepted displayed at the site entrance.	X		
(3)(C1)	Disposal of special wastes approved in the permit conducted in accordance with approved design and operating plans.	X		
(3)(C2.A)	Written approval from the department obtained for special waste not approved in permit.	X		
(3)(C2.B)	Approved special waste disposed of properly.	X		
(3)(C2)	Operating procedures for screening and removal of excluded wastes implemented.	X		
(4)(C1)	Site accessible in all weather conditions. Temporary roads provided for delivery to working face.	X		
(4)(C2)	If access roads or public roads are flooded, alternate sanitary or demolition landfill is available.			X
(5)(C1)	Construction and operation of the site is conducted in accordance with engineering plans and specifications.	X		
(5)(C2)	Minimum fifty foot buffer zone maintained between site operations and property boundary.	X		
(5)(C3)	Operating manual available to employees and the department.	X		
(6)(C1)	Boundary markers, benchmarks, horizontal control stations replaced or re-established.	X		
(6)(C2)	Missing or displaced benchmarks or horizontal control stations replaced or re-established as necessary.	X		
(6)(C3)	Missing or displaced construction stakes replaced or re-established as necessary.	X		
(6)(C4)	Permanent monuments and boundary markers placed prior to receiving authorization to operate.	X		
(6)(C5)	Construction stakes marking the active area placed prior to deposition of waste in individual areas.	X		
(7)(C1)	Surface watercourses and runoff properly diverted from the landfill. Landfill construction and grading to promote rapid surface water runoff without excessive erosion.	X		
(7)(C2)	Contact with solid waste is minimized by daily operation.	X		
(7)(C3)	Leachate collection system properly installed and operated in accordance with the permit and approved plans.			X
(7)(C4)	Liner constructed in accordance with approved design specifications.			X
(7)(C5)	Leachate generated on-site controlled on-site and not allowed to discharge off the demolition landfill or discharge into waters of the state.	X		
(7)(C6)	Leachate and runoff managed in accordance with the Missouri Clean Water Law and Rules.	X		
(8)(C1.A)	Groundwater monitoring wells installed per approved plans.	X		
(8)(C1.B)	Groundwater monitoring wells operational prior to acceptance of waste, unless other arrangements are approved.	X		
(9)(C)	Burning of solid waste prohibited unless a burning permit is obtained from the department or, when appropriate, local pollution agency.	X		

		SAT	INS	S.A.			SAT	INS	S.A.
(12)(C)1.	Decomposition gas control systems implemented as necessary to prevent migration and accumulation.	X			(13)(C)1.	Solid waste handling equipment at site and operated as necessary.	X		
(10)(C)2.A.	Decomposition gas not allowed to concentrate in dwellings on-site above twenty-five percent LEL for methane.	X			(14)(C)1.A.	Solid waste to be compacted, spread in layers no more than two feet thick and confined to smallest practical area.	X		
(10)(C)2.B.	Decomposition gases not allowed to concentrate in the soil at the property boundary above five percent LEL for methane.	X			(14)(C)1.B.	Waste compacted to smallest practical volume.	X		
(13)(C)3.	Decomposition gas monitoring results submitted to the department as required by permit.	X			(14)(C)1.C.	Cover compacted as much as practical.	X		
(12)(C)4.	Landfill operated in compliance with applicable requirements of Chapter 643, RSMo and rules.	X			(14)(C)2.	Solid waste spread and compacted as received or at least when the accumulated waste reaches two hundred cubic yards.	X		
(11)(C)	Vector control programs implemented when necessary.	X			(14)(C)3.	Preventative maintenance performed on equipment.	X		
(12)(C)1.	Litter control devices utilized near working face and elsewhere as needed. Litter collected from fences, and the ground surface, and incorporated into the active cell at the end of each day or containerized.				(14)(C)4.	Solid waste not disposed of in water to prohibit spreading and compaction or causing mosquito breeding problems.	X		
(12)(C)2.	Wastes easily moved by wind covered as necessary to prevent their becoming airborne and scattered.	X			(15)(C)1.	Fire extinguishers provided on all solid waste handling equipment.	X		
(12)(C)3.	On-site vegetation cleared only as necessary.	X			(15)(C)2.	All fires in wastes being delivered to the site or which occur at the working face or within equipment extinguished.	X		
(12)(C)4.	Salvaged materials removed daily or stored in aesthetically acceptable containers or enclosures.	X			(15)(C)3.	Scavenging prohibited.	X		
(13)(C)1.	Twelve (12) inches compacted soil cover material applied at least once every seven calendar days.	X			(15)(C)4.	Controlled access to site by established roadways and limited to hours when operating personnel are on duty.	X		
(13)(C)2.	Cover applied to completed areas of the landfill in a compacted layer not less than two feet thick overlain by at least one foot of soil, as required, capable of supporting vegetation.	X			(15)(C)5.	Traffic controlled and directed to distinguish disposing points.	X		
(13)(C)3.	Final side slopes not to exceed 3 1/2 percent.	X			(15)(C)6.	Site dust controlled for safety purposes and to prevent nuisances.	X		
(13)(C)4.	Vegetation established within one hundred eighty days of application or regrading of the initial and final cover.			X	(16)(C)1.A.	Records of major problems and complaints maintained.	X		
(13)(C)5.	Regrading and recovering as necessary to maintain cover slope and integrity.	X			(16)(C)1.B.	Records of dates of cover material application maintained.	X		
(13)(C)6.	Borrow areas reclaimed in accordance with approved plans.	X			(16)(C)1.C.	Records of qualitative and quantitative evaluation of the environmental impact of the landfill, when applicable, maintained.	X		
					(16)(C)1.D.	Records of vector control efforts maintained.	X		
					(16)(C)1.E.	Records of dust and litter control efforts maintained.	X		
					(16)(C)1.F.	Records of quantity of waste received maintained.	X		
					(16)(C)1.G.	Records of quantity of waste handled maintained. Topographic map submitted every five years.	X		
					(16)(C)1.H.	Records of description, source and volume of special wastes listed in subsection (2)(A) maintained.	X		

REMARKS:

BY:

Kevin J. Arnold
Signature of Inspector

OFFICE: